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upon receipt of that report*
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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: PROCESS FOR PREPARATION OF 1,3-PROPANEDIOL

(57) Abstract: Disclosed is a process for hydrogenating 3-hydroxypropionic acid, or esters thereof, or mixtures of the acid and the ester, in a liquid phase, in the presence of a ruthenium catalyst, alone, or in combination with at least one or more additional metal catalyst wherein the metal is molybdenum, tungsten, titanium, zirconium, niobium, vanadium, chromium, or mixtures of the metals.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07C 27/00, 27/04, 31/18, 29/00

US CL : 568/864, 861

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 568/864, 861, 852

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
STN text.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 2,362,157 A (CRABTREE et al.) 14 November 2001, entire patent.	1-24
Y	US 6,617,478 B2 (LEE et al.) 9 September 2003, entire patent.	1-24
P		

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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